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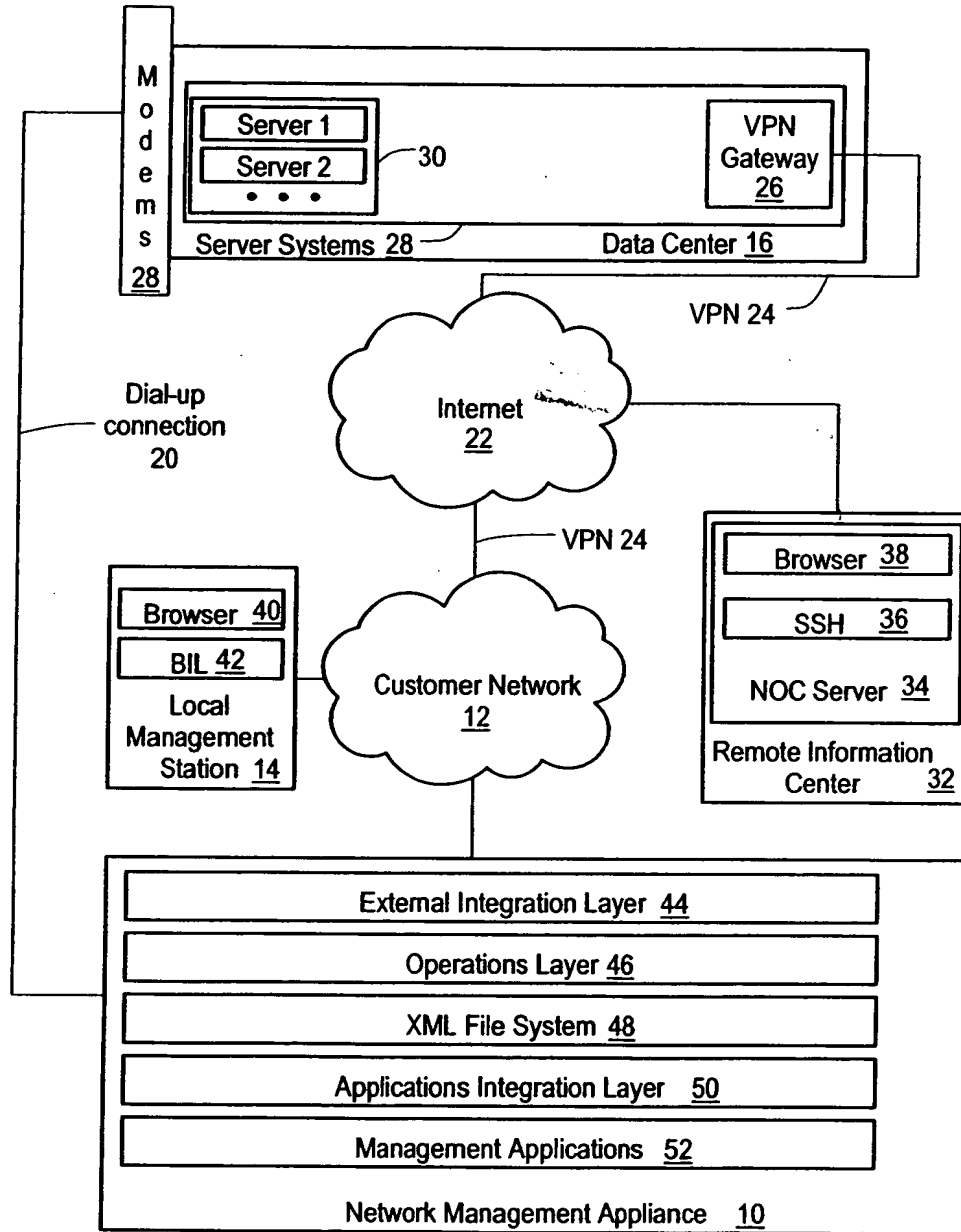


FIG. 1

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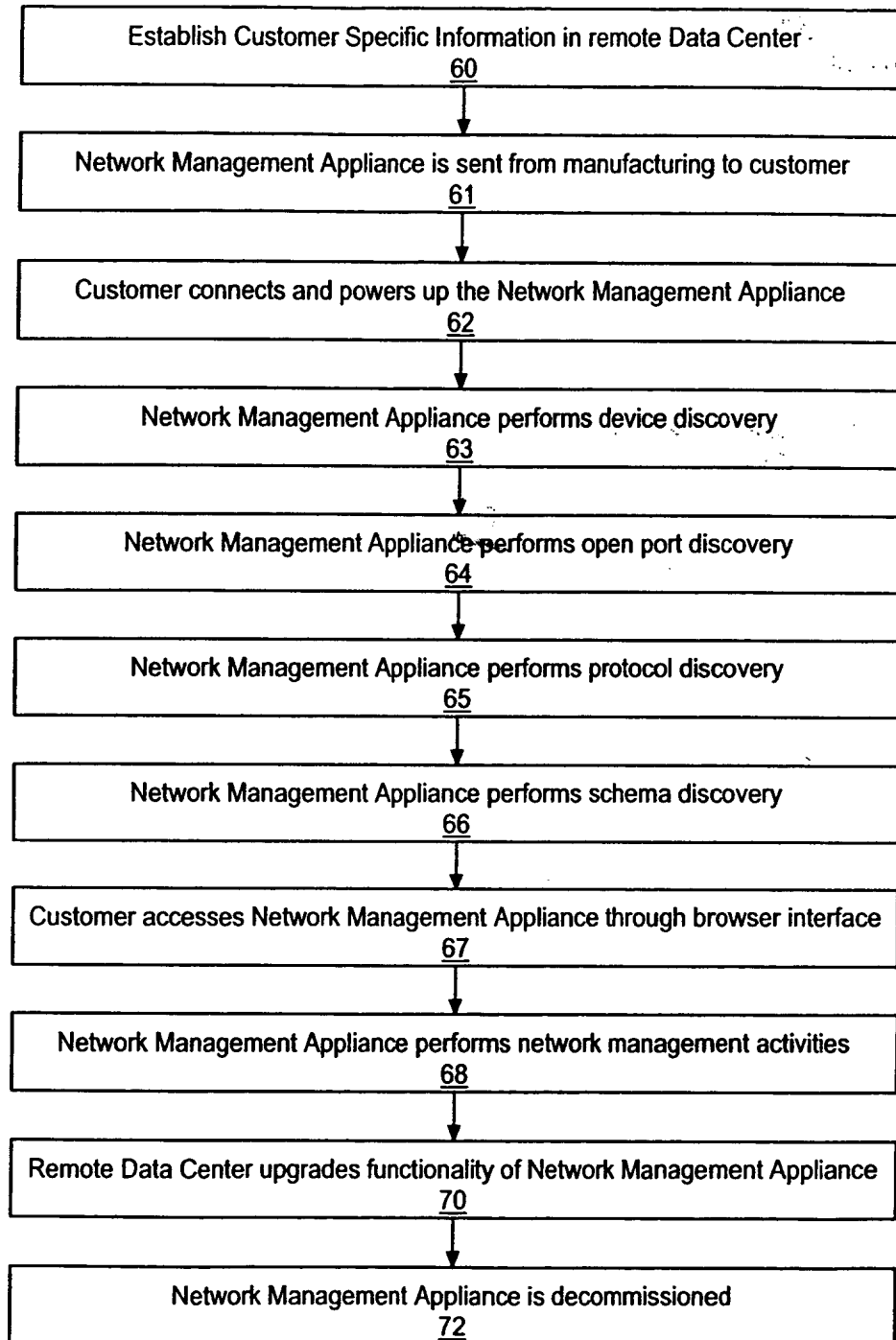


FIG. 2

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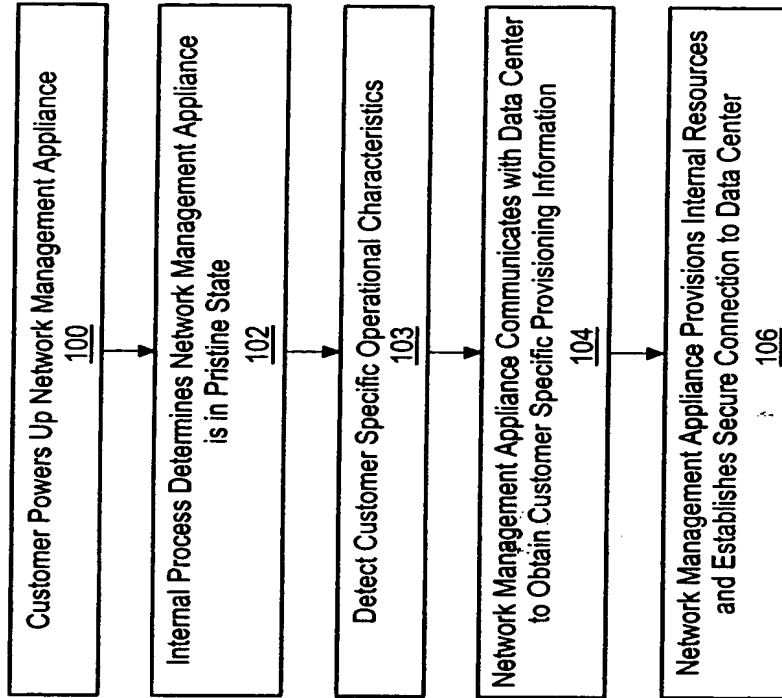


FIG. 4

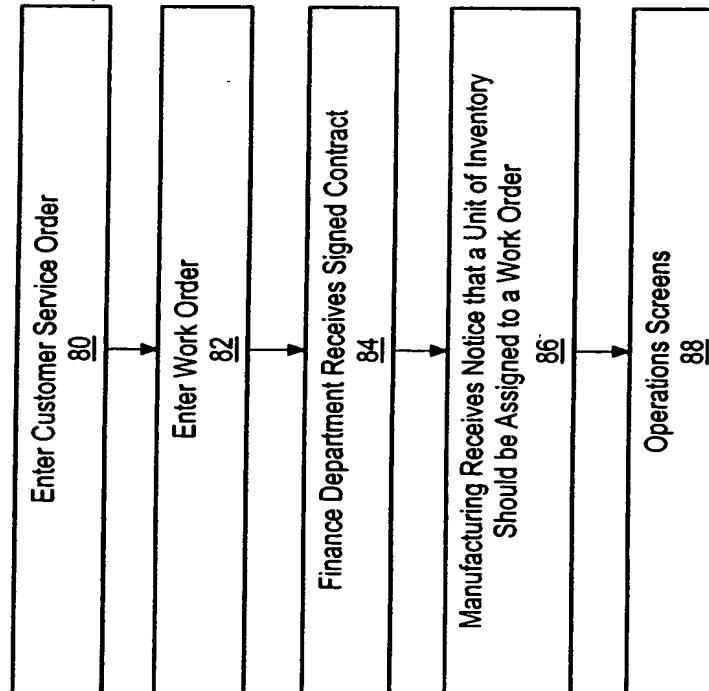


FIG. 3

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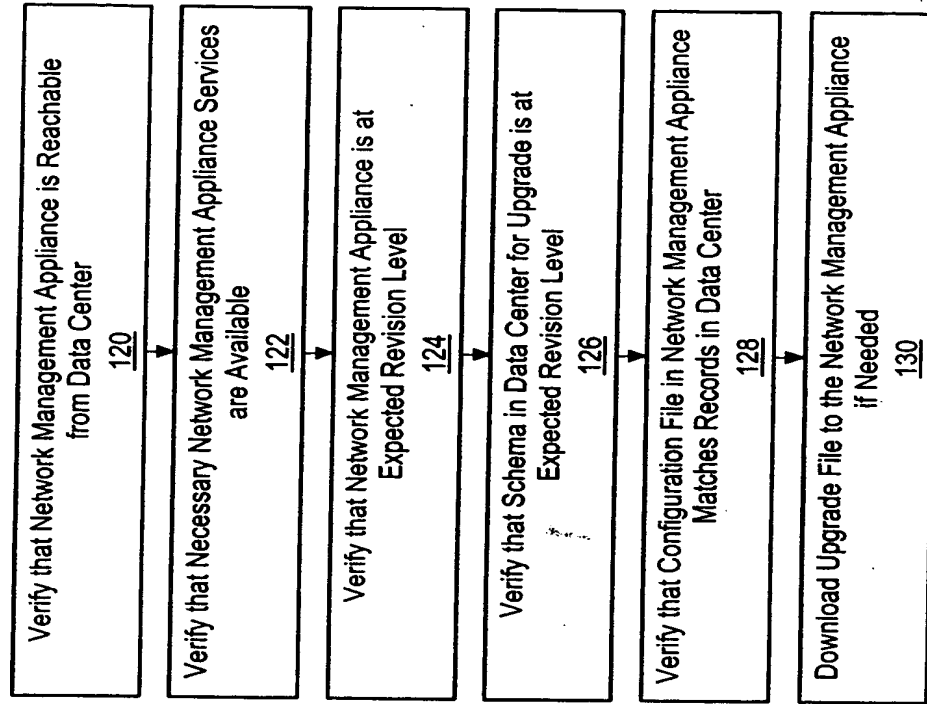


FIG. 6

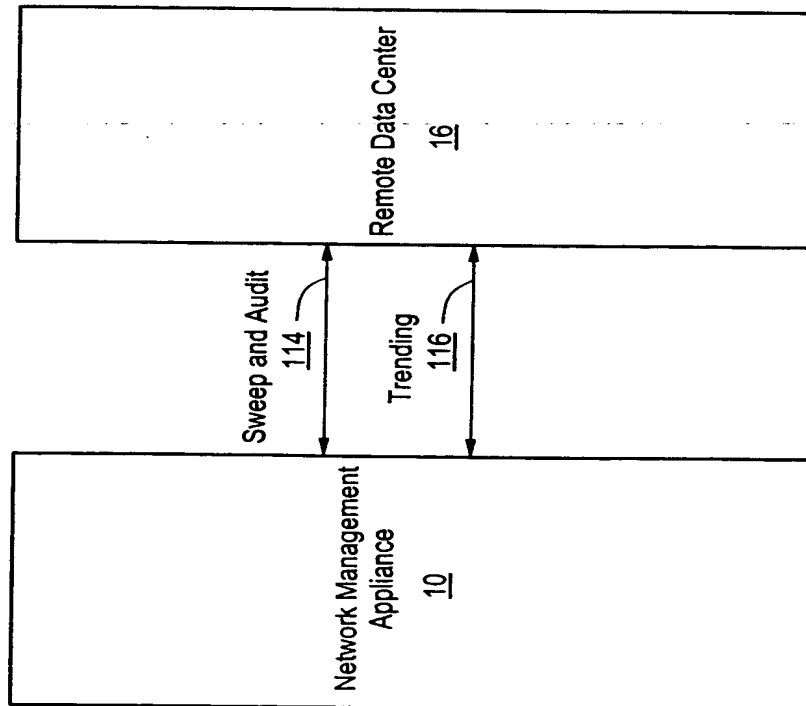


FIG. 5

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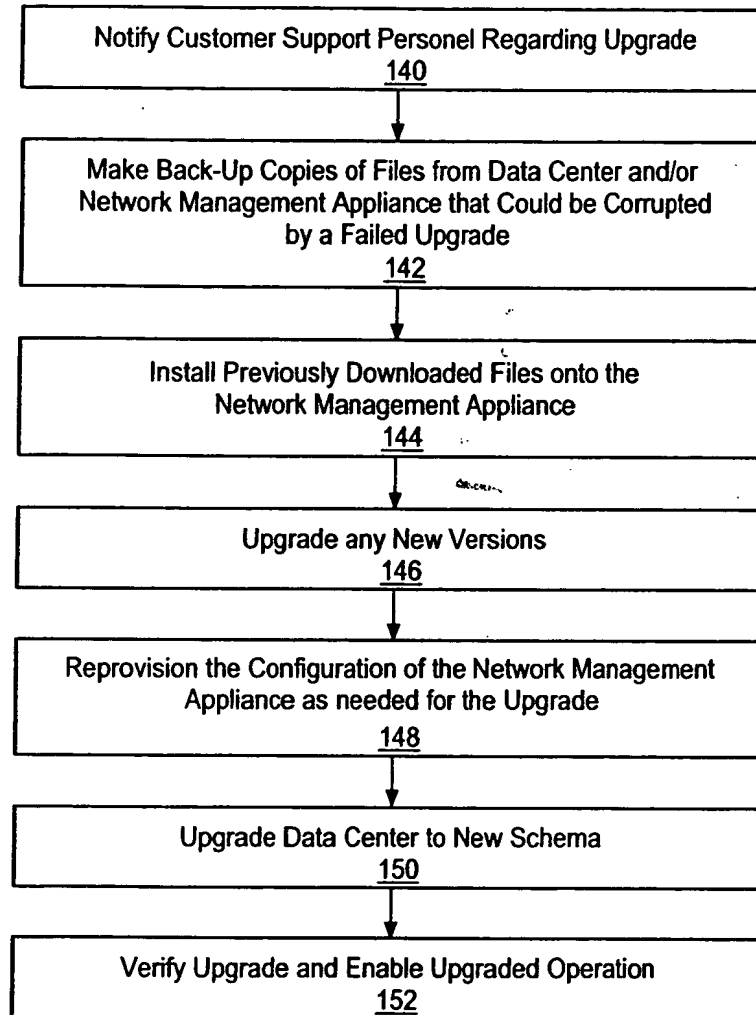


FIG. 7

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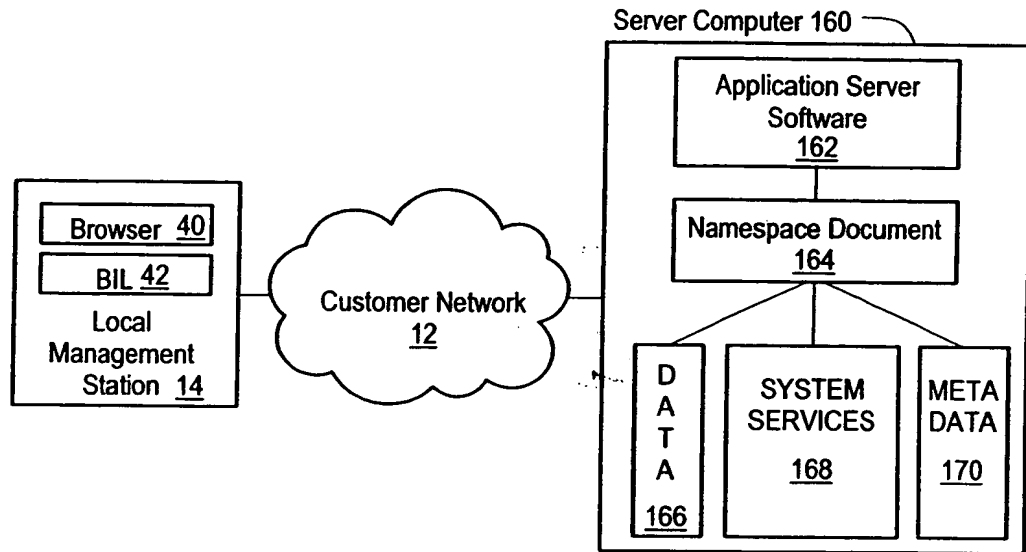


FIG. 8

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180 { $\left\{ \begin{array}{l} \langle \text{root} \rangle \\ \quad \langle \text{usr} \rangle \\ \qquad \langle \text{bin}/ \rangle \\ \quad \langle / \text{usr} \rangle \\ \quad \langle \text{app} \rangle \\ \qquad \langle \text{report}/ \rangle \\ \quad \langle / \text{app} \rangle \\ \quad \langle \text{cpe} \rangle \\ \qquad \langle \text{report}/ \rangle \\ \quad \langle / \text{cpe} \rangle \\ \langle / \text{root} \rangle \end{array} \right\}$ } 182
184
186

FIG. 9

190 { $\left\{ \begin{array}{l} \langle \text{app} \rangle \\ \quad \langle \text{report} \rangle \\ \qquad \langle \text{get-schema}/ \rangle \\ \qquad \langle \text{dc-box-upgrade}/ \rangle \\ \qquad \langle \text{performance}/ \rangle \\ \quad \langle / \text{report} \rangle \\ \langle / \text{app} \rangle \end{array} \right\}$ } 194
196
198

FIG. 10

210 { $\left\{ \begin{array}{l} \langle \text{file type}=\text{"dir"} \text{ name}=\text{"public"} \rangle \\ \quad \langle \text{file type}=\text{"file"} \text{ name}=\text{"test.xml"} \rangle \\ \quad \langle / \text{file} \rangle \\ \langle / \text{file} \rangle \end{array} \right\}$ } 212
214

FIG. 11

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```

220 {
    <file type="file" name="get-schema">
        <access-specification>
            <access-control-entry>
                <role>Admin</role>
                <permissions>
                    <read/>
                    <write/>
                    <delete/>
                    <add/>
                </permissions>
            </access-control-entry>
        </access-specification>
    </file>
}
222
224

```

FIG. 12

```

230 {
    <file type="dir" name="public">
        232 {
            <file type="file" name="test.xml">
                234 {
                    <physical type="xml">
                        <file>/usr/local/system/mytest.xml</file>
                    </physical>
                }
            </file>
        }
    </file>
}

```

FIG. 13

```

240 {
    <file type="dir" name="public">
        <file type="file" name="get-schema">
            <physical type="xlet">
                <language type="perl"
                class="/usr/local/silverback/bin/get-schema.pl"/>
            </physical>
        </file>
    </file>
}
244
242

```

FIG. 14

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```

<root>
  <usr>
    <bin/>
  </usr>
  <app>
    <report/>
  </app>
  <cpe>
    <report/>
  </cpe>
  <system>
    <file type="dir" name="root">
      <file type="dir" name="usr">
        <file type="file" name="bin"/>
      </file>
      <file type="dir" name="app">
        <file type="file" name="report"/>
      </file>
      <file type="dir" name="cpe">
        <file type="dir" name="report"/>
        <access-specification>
          <access-control-entry>
            <role>Admin</role>
            <permissions>
              <read/>
              <write/>
              <delete/>
              <add/>
            </permissions>
          </access-control-entry>
        </access-specification>
        <file type="file" name="get-schema">
          <physical type="xlet">
            <language type="perl"
class="/usr/local/silverback/bin/upgrade/get-
schema.pl"/>
          </physical>
        </file>
        <file type="file" name=
          "performance.xml">
          <physical type="xml">
            <file>/usr/local/system/screens/
              performance.xml</file>
            </physical>
          </file>
        </file>
      </file>
    </system>
  </root>

```

FIG. 15a

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```

    252 {
      <access-specification>
        <access-control-entry>
          <role>Admin</role>
          <permissions>
            <read/>
            <write/>
            <delete/>
            <add/>
          </permissions>
        </access-control-entry>
      </access-specification>
    }
    </file>
  </system>
</root>
  
```

250

FIG. 15b

```

    add
    260 {
      <request>
        <name>test</name>
        <parent>/usr/local</parent>
        <type>dir</type>
      </request>
    }
  
```

262 264 266

FIG. 16

```

    add
    270 {
      <request>
        <name>test.xml</name>
        <parent>/usr/local<parent>
        <type>file</type>
        <physical type="xml">
          <file>/usr/local/test.xml</file>
        </physical>
      </request>
    }
  
```

272 274 278

FIG. 17

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```
add
{
  280 {
    <request>
      <name>get-schema</name>
      <parent>/usr/local<parent>
      <type>file</type>
      <physical type="xml">
        282 {
          <language type="perl"
            class="/usr/local/silverback/bin/upgrade/
              get-schema.pl"/>
          <physical>
        }
      </request>
    }
  }
```

FIG. 18

```
add
{
  290 {
    <request>
      <name>test</name>
      <parent>/usr/local<parent>
      <type>dir</type>
      <access-specification>
        292 {
          294 {
            <access-control-entry>
              <role>Admin</role>
              <permissions>
                <read/>
                <write/>
                <delete/>
                <add/>
              </permissions>
            </access-control-entry>
          }
        }
      </access-specification>
    </request>
  }
```

FIG. 19

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```
300 { <reply>
      <status>
        <code</code> 302
        <message></message> 304
      </status>
    </reply>
```

FIG. 20

```
cp
310 { <request>
      <source>/usr/local/test</source>
      <target>/usr/local/test2</target>
    </request>
```

FIG. 21

```
mv
320 { <request>
      <source>/usr/local/test</source>
      <target>/usr/local/test2</target>
    </request>
```

FIG. 22

```
rm
330 { <request>
      <source>/usr/local/test</source>
    </request>
```

FIG. 23

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```
340 { <reply>
      <status>
        <code></code> 342
        <message></message> 344
      </status>
    </reply>
```

FIG. 24

```
dir
350 { <request>
      <xpath>/usr</xpath>
    </request>
```

FIG. 25

```
360 { <reply>
      <directory>
        <get-schema/>
        <performance/>
        <report/>
      </directory>
      <status>
        <code></code>
        <message></message>
      </status>
    </reply>
```

362

364

FIG. 26

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```
dir
370 { <request>
      <xpath>/usr</xpath>
      <detail>true</detail>
    } 372
    </request>
```

FIG. 27

```
380 { <reply>
      <directory>
        <get-schema>
          <type>xlet</type>
          <physical type="xlet">
            <language type="perl"
class="/usr/local/silverback/bin/upgrade/get-schema.pl"/>
          </physical>
        </get-schema>
        <performance>
          <physical type="xml">
            <file>/usr/local/system/screens/performance.xml
            </file>
          </physical>
        </performance>
        <report>
          <type>dir</type>
        </report>
      </directory>
      <status>
        <code></code>
        <message></message>
      </status>
    } </reply>
```

FIG. 28

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exec
390 { `<request>`
 `<xpath>/usr/foo</xpath>`
 `</request>` }

392

FIG. 29

400 { `<reply>`
 `<!--results . . .`
 `<status>`
 `<code></code>`
 `<message></message>`
 `</status>`
 `</reply>` }

402

404

FIG. 30